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# 1. Best Day of Sales

**Program Name:** BestDay.java

**Input File:** bestday.dat

James owns a music store that he keeps open seven days a week. He would like to close one day a week to spend more time with his family. In an effort to determine which day would be the best for him to close his business, he has collected the statistics on his sales for each day for the past few weeks.

You are to write a program that will find which day of each week that his sales are the highest.

## Input

The first line of input will contain a single integer  $n$  that indicates the number of weeks of data. Each of the following  $n$  lines will contain 7 integer values, each separated by a space, representing James' sales on days SUNDAY through SATURDAY respectively.

**Note:** You may assume that no two days will have the same amount of sales.

## Output

For each week and in uppercase, you will print the day of the week that his sales were the greatest, as shown below.

### Example Input File

```
4
1300 1500 1200 1600 1800 900 1400
1200 1400 1500 1600 1100 1450 1475
1745 2534 2000 2100 2400 1975 1823
2231 1992 2000 2345 2435 1982 2500
```

### Example Output to Screen

```
THURSDAY
WEDNESDAY
MONDAY
SATURDAY
```